

ABSTRACT

An electrical energy generator device comprising an array of micro-fans each associated to a respective dynamo-electric generator by means of a respective connecting shaft, further comprises, for at least some of the micro-fans (3), a lug element (6) associated to the respective connecting shaft (4) which mechanically co-operates at each revolution with a piezoelectric element (7), for the production of additional electrical energy. In addition or instead of the aforesaid arrangement, it is possible to provide plates (10) made of piezoelectric material which vibrate in the flow of air that invests them, thereby producing electrical energy.

(Figure 2)